Hunter Mitchell

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STATEMENT

Dedicated and passionate engineer with emphasis on solving problems in machine learning and big data. Proficient in multiple languages with strong knowledge of Hadoop ecosystem, AWS architecture, data pipelines + warehouses, CI/CD tools, and MLOps

EXPERIENCE

Data Science Engineer   *Magnite, Denver, CO / December 2020 – September 2023*

- Designing, developing, and maintaining robust data pipelines and ML models which process terrabytes of data daily, leveraging tools like Airflow, Spark, Elastic MapReduce, SageMaker, Kinesis, Snowflake, and Terraform
- Transferring production applications and ML models between on-premise datacenters and AWS to save costs
- Scaling and fine-tuning applications to run in parallel on a Hadoop cluster with optimal performance resource utilization
- Developing algorithms to analyze advertising data and alert on anomalous findings, showcasing results in dashboards
- Collaborating with various teams to understand requirements, ensure data quality, and deliver end-to-end solutions
- Following best practices of PR-based code reviews, unit testing, and automated deployment and monitoring with Jenkins

Project Specialist Intern   *Footmarks Inc., Bellevue, WA / May 2019 – July 2019*

- Developed PySpark code to aggregate different types of data from the company

Teaching Assistant   *Washington State University, Pullman, WA / August 2017 – May 2020*

- Administered lectures, quizzes, and exams to a calculus lab of 40+ students
- Accommodated different learning styles while tutoring students in subjects ranging from statistics to differential equations

PROJECTS

Interactive Face-Predicting Web Application - https://github.com/huntermitchell123/webApp

- Fully trained, containerized, and deployed two Machine Learning models as a web app using AWS
- Uses image from face camera to predict gender with > 92% accuracy and age with < 8 Mean Absolute Error
- Technologies used: *Python, Flask, Docker, TensorFlow, AWS, EC2, JavaScript, HTML, CSS, Model Deployment*

Project Sage, iOS & Android Mobile Application - https://apptopia.com/ios/app/1472456212/about

- Fully developed a puzzle competition app with cash prize for first user to complete all 25 progressively difficult levels
- Over 2,000 total downloads across iOS and Android with a 5 star average rating and 130+ users finishing all levels
- Technologies used: *Unity, C#, XCode, Firebase, AdMob, App Store Optimization*

SKILLS

Languages: Python, SQL, Bash, Scala

Technologies/Libraries: Hadoop (Spark, HDFS, Hive, YARN), AWS (SageMaker, EMR, EC2, S3, Glue, Athena, Kinesis), Airflow, Git, Jenkins, DataBricks, Snowflake, MySQL, Terraform, Kafka, Pandas, Numpy, Tensorflow, Sci-kit Learn

EDUCATION

B.S. Applied Mathematics	Minor: Astrophysics	Relevant Courses
Washington State University, Pullman, WA / 2020	Cum. GPA: 3.51	Linear Optimization / Probability & Statistics Mathematical Computing / Data Structures